AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently Amended) A rubber composition comprising a diene elastomer, a reinforcing inorganic filler, a coupling agent providing the bond between the inorganic filler and the elastomer, wherein said inorganic filler comprises a silicon carbide having the following features:
- [[-]] (a) a BET specific surface area of between 20 and 200 m²/g;
- [[-]] (b) an average particle size by mass, noted d_w, of between 10 and 350 nm; wherein said silicon carbide constitutes more than 50% by volume of total reinforcing filler and the amount of silicon carbide is greater than 50 phr.

Claim 2 (Canceled).

Claim 3 (Canceled)

- 4. (Original) The composition according to Claim 1, wherein said reinforcing inorganic filler further comprises silica or alumina.
- (Original) The composition according to Claim 1, further comprising carbon black.

- 6. (Original) The composition according to Claim 5, wherein the amount of carbon black is between 2 and 20 phr.
- 7. (Original) The composition according to Claim 1, wherein the BET surface area is between 20 and 150 m²/g.
- 8. (Original) The composition according to Claim 7, wherein the BET surface area lies within a range from 25 to 140 m²/g.
- 9. (Original) The composition according to Claim 1, herein the size d_w lies within a range from 20 to 300 nm.
- 10. (Original) The composition according to Claim 9, wherein the size d_w lies within a range from 20 to 250 nm.
- 11. (Original) The composition according to Claim 1, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-4} \ \mu m^{-1}/s$.
- 12. (Original) The composition according to Claim 11, wherein the silicon carbide has a disagglomeration rate α which is greater than $5x10^{-4} \ \mu m^{-1}/s$.
- 13. (Original) The composition according to Claim 12, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-3} \, \mu m^{-1}/s$.

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- 14. (Original) The composition according to Claim 1, wherein the coupling agent is a polysulfurised alkoxysilane.
- 15. (Original) The composition according to Claim 1, wherein the diene elastomer is selected from among the group consisting of polybutadienes, synthetic polyisoprenes, natural rubber, butadiene-styrene copolymers, butadiene-isoprene copolymers, butadiene-acrylonitrile copolymers, isoprene-styrene copolymers, butadiene-styrene copolymers and mixtures thereof.
- 16. (Original) The composition according to Claim 15, wherein the diene elastomer is a butadiene-styrene copolymer (SBR) having a styrene content of between 20% and 30% by weight, a content of vinyl bonds of the butadiene fraction of between 15% and 65%, a content of trans-1,4 bonds of between 20% and 75% and a glass transition temperature of between -20°C and -55°C.
- 17. (Original) The composition according to Claim 16, wherein the SBR is a SBR prepared in solution (SSBR) and used in a mixture with a polybutadiene having more than 90% cis-1,4 bonds.
- 18. (Currently Amended) A process for obtaining a rubber composition usable for the manufacture of tires, wherein there are incorporated into at least a diene elastomer, at least a reinforcing inorganic filler and a coupling agent providing the bond between the inorganic filler and the elastomer, wherein said inorganic filler comprises a silicon carbide having the following features:
- [[-]] (a) a BET specific surface of between 20 and 200 m²/g;

[[-]] (b) an average particle size by mass, d_w, of between 10 and 350 nm; said silicon carbide constituting more than 50% by volume of total reinforcing filler; wherein the entire mixture is kneaded thermomechanically, in one or more stages, until a maximum temperature of between 110°C and 190°C is reached, and wherein the amount of silicon carbide is greater than 50 phr.

Claim 19 (Canceled)

Claim 20 (Canceled)

- 21. (Original) The process according to Claim 18, wherein said reinforcing inorganic filler further comprises silica or alumina
- 22. (Original) The process according to Claim 18, further comprising incorporating carbon black.
- 23. (Original) The process according to Claim 22, wherein the amount of carbon black is between 2 and 20 phr.
- 24. (Original) The process according to Claim 18, wherein the BET surface area is of between 20 and 150 m²/g.
- 25. (Original) The process according to Claim 24, wherein the BET surface area lies within a range from 25 to 140 m²/g.

- 26. (Original) The process according to Claim 18, wherein the size d_w lies within a range from 20 to 300 nm.
- 27. (Original) The process according to Claim 26, wherein the size $d_{\rm w}$ lies within a range from 20 to 250 nm.
- 28. (Original) The process according to Claim 18, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-4} \ \mu m^{-1}/s$.
- 29. (Original) The process according to Claim 28 wherein the silicon carbide has a disagglomeration rate α which is greater than $5x10^{-4} \ \mu m^{-1}/s$.
- 30. (Original) The process according to Claim 29, wherein the silicon carbide has a disagglomerating rate α which is greater than $1x10^{-3} \, \mu m^{-1}/s$.
- 31. (Original) The process according to Claim 18, wherein the diene elastomer is selected from among the group consisting of polybutadienes, synthetic polyisoprenes, natural rubber, butadiene-styrene copolymers, butadiene-isoprene copolymers, butadiene-acrylonitrile copolymers, isoprene-styrene copolymers, butadiene-styrene copolymers and mixtures thereof.
- 32. (Original) The process according to Claim 18, wherein the maximum kneading temperature is between 130°C and 180°C.

- 33. (Currently Amended) A tire comprising a rubber composition comprising a diene elastomer, a reinforcing inorganic filler, a coupling agent providing the bond between the inorganic filler and the elastomer, wherein said inorganic filler comprises a silicon carbide having the following features:
- [[-]] (a) a BET specific surface area of between 20 and 200 m²/g;
- [[-]] (b) an average particle size by mass, noted d_w, of between 10 and 350 nm; wherein said silicon carbide constitutes more than 50% by volume of total reinforcing filler_and the amount of silicon carbide is greater than 50 phr.

Claim 34 (Canceled)

Claim 35 (Canceled)

- 36. (Original) The tire according to Claim 33, wherein said reinforcing inorganic filler further comprises silica or alumina.
- 37. (Original) The tire according to Claim 33, wherein the rubber composition further comprises carbon black.
- 38. (Original) The tire according to Claim 37, wherein the amount of carbon black is between 2 and 20 phr.
- 39. (Original) The tire according to Claim 33, wherein the BET surface area is between 20 and 150 m^2/g .

- 40. (Original) The tire according to Claim 39, wherein the BET surface area lies within a range from 25 to 140 m²/g.
- 41. (Original) The tire according to Claim 33, wherein the size d_w lies within a range from 20 to 300 nm.
- 42. (Original) The tire according to Claim 41, wherein the size $d_{\rm w}$ lies within a range from 20 to 250 nm.
- 43. (Original) The tire according to Claim 33, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-4} \, \mu m^{-1}/s$.
- 44. (Original) The tire according to Claim 43, wherein the silicon carbide has a disagglomeration rate α which is greater than $5x10^{-4} \, \mu m^{-1}/s$.
- 45. (Original) The tire according to Claim 44, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-3} \ \mu m^{-1}/s$.
- 46. (Original) The tire according to Claim 33, wherein the coupling agent is a polysulfurised alkoxysilane.
- 47. (Original) The tire according to Claim 33, wherein the diene elastomer is selected from among the group consisting of polybutadienes, synthetic polyisoprenes, natural rubber, butadiene-styrene copolymers, butadiene-isoprene

copolymers, butadiene-acrylonitrile copolymers, isoprene-styrene copolymers, butadiene-styrene-isoprene copolymers and mixtures thereof.

- 48. (Currently Amended) A tire tread comprising a rubber composition comprising a diene elastomer, a reinforcing inorganic filler, a coupling agent providing the bond between the inorganic filler and the elastomer, wherein said inorganic filler comprises a silicon carbide having the following features:
- [[-]] (a) a BET specific surface area of between 20 and 200 m²/g;
- [[-]] (b) an average particle size by mass, noted d_w, of between 10 and 350 nm; wherein said silicon carbide constitutes more than 50% by volume of total reinforcing filler_and the amount of silicon carbide is greater than 50 phr.

Claim 49 (Canceled)

Claim 50 (Canceled)

- 51. (Original) The tread according to Claim 48, wherein said reinforcing inorganic filler further comprises silica or alumina.
- 52. (Original) The tread according to Claim 48, wherein the rubber composition further comprises carbon black.
- 53. (Original) The tread according to Claim 52, wherein the amount of carbon black is between 2 and 20 phr.

- 54. (Original) The tread according to Claim 48, wherein the BET surface area is between 20 and 150 m^2/g .
- 55. (Original) The tread according to Claim 54, wherein the BET surface area lies within a range from 25 to 150 m²/g.
- $_{56}$. (Original) The tread according to Claim 48, wherein the size $d_{\rm w}$ lies within a range from 20 to 300 nm.
- 57. (Original) The tread according to Claim 56, wherein the size $d_{\rm w}$ lies within a range from 20 to 250 nm.
- 58. (Original) The tread according to Claim 48, wherein the silicon carbide has a disagglomeration rate α which is greater than $1x10^{-4} \ \mu m^{-1}/s$.
- 59. (Original) The tread according to Claim 58, wherein the silicon carbide has a disagglomeration rate α which is greater than $5x10^{-4} \, \mu m^{-1}/s$.
- 60. (Original) The tread according to Claim 59, wherein the silicon carbide has a disagglomeration rate α which is greater than $1 \times 10^{-3} \, \mu m^{-1}/s$.
- 61. (Original) The tread according to Claim 48, wherein the coupling agent is a polysulfurised alkoxysilane.

- 62. (Original) The tread according to Claim 48, wherein the diene elastomer is selected from among the group consisting of polybutadienes, synthetic polyisoprenes, natural rubber, butadiene-styrene copolymers, butadiene-isoprene copolymers, butadiene-acrylonitrile copolymers, isoprene-styrene copolymers, butadiene-styrene copolymers and mixtures thereof.
- 63. (Original) The tread according to Claim 62, wherein the diene elastomer is a butadiene-styrene copolymer (SBR) having a styrene content of between 20% and 30% by weight, a content of vinyl bonds of the butadiene fraction of between 15% and 65%, a content of trans-1,4-bonds of between 20% and 75% and a glass transition temperature of between -20°C and -55°C.
- 64. (Original) The tread according to Claim 63, wherein the SBR is a SBR prepared in solution (SSBR) and used in a mixture with a polybutadiene having more than 90% -cis-1,4 bonds.
- 65. (Previously Presented) The composition according to claim 1, wherein the amount of silicon carbide is greater than 60 phr.
- 66. (Previously Presented) The composition according to claim 65, wherein the amount of silicon carbide is greater than 70 phr.
- 67. (Previously Presented) The composition according to claim 8, wherein the BET surface area is between 60 and 120 m²/g.

- 68. (Previously Presented) The composition according to claim 10, wherein the particle size d_w is between 30 and 100 nm.
- 69. (Previously Presented) The process according to claim 18, wherein the amount of silicon carbide is greater than 60 phr.
- 70. (Previously Presented) The process according to claim 69, wherein the amount of silicon carbide is greater than 70 phr.
- 71. (Previously Presented) The process according to claim 25, wherein the BET surface area is of between 60 and 120 m²/g.
- 72. (Previously Presented) The process according to claim 27, wherein the particle size d_w is of between 30 and 100 nm.
- 73. (Previously Presented) The tire according to claim 33, wherein the amount of silicon carbide is greater than 60 phr.
- 74. (Previously Presented) The tire according to claim 73, wherein the amount of silicon carbide is greater than 70 phr.
- 75. (Previously Presented) The tire according to claim 40, wherein the BET surface area is between 60 and 120 m²/g.

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- 76. (Previously Presented) The tire according to claim 42, wherein the particle size d_w is between 30 and 100 nm.
- 77. (Previously Presented) The tread according to claim 48, wherein the amount of silicon carbide is greater than 60 phr.
- 78. (Previously Presented) The tread according to claim 77, wherein the amount of silicon carbide is greater than 70 phr.
- 79. (Previously Presented) The tread according to claim 55, wherein the BET surface area is between 60 and 120 m²/g.
- 80. (Previously Presented) The tread according to claim 57, wherein the particle size d_w is between 30 and 100 nm.